

ABSTRACT OF THE DISCLOSURE

[50] A combination selector switch and infinite switch energy regulator provides a plurality of simmer voltages. An infinite switch energy regulator for adapting input voltage level to an average output voltage level is provided. This energy regulator has a rotatable shaft for adjusting the average output voltage level. An input voltage selector, such as an F switch, selects between a plurality of input voltages by actuation of a rotatable cam. The output of the input voltage selector is provided as an input to the infinite switch. The rotatable shaft is also operatively coupled to the rotatable cam and thus controls the input voltage selector as well as the infinite switch. The selective provision of two different voltage levels as an input to the infinite switch permits a plurality of simmer voltages when the unit is assembled in an electric range.

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